

CORRES. CONTROL  
INCOMING LTR NO.

01711 RF 94

DUE  
DATE 5-13-94ACTION *Stiger*  
DIST. LTR BNC

BERMAN, H.S.	
CARNIVAL, G.J.	
COPP, R.D.	
CORDOVA, R.O.	
DAVIS, J.G.	
FERRERA, D.W.	
FRANZ, W.A.	
HANNI, B.J.	
HEALY, T.J.	
HEDAH, T.G.	
HILBIG, J.G.	
HUTCHINS, N.M.	
KELL, R.B.	
KIRBY, W.A.	
KUESTER, A.W.	
MAHAFFEY, J.W.	
MANN, H.P.	
MARX, G.E.	
MERENNA, F.G.	
MORGAN, R.V.	
PIZZUTO, V.M.	
POPPER, G.L.	
SANDLIN, N.B.	
SATTERWHITE, D.G.	
SCHUBERT, A.L.	
SETLOCK, G.H.	
STIGER, S.G.	X
SULLIVAN, M.T.	
SWANSON, E.R.	
WILKINSON, R.B.	
WILSON, J.M.	

*Busby W X**Broussard M X**Chimase A X**Larkin P X**Voss T X**Burmeister M X*

States Government

050294-1

Department of Energy

Apr 2 10 53 AM '94 Rocky Flats Office

## Memorandum

APR 28 1994



ER:SRG:04643

000027958

Operable Unit No. 2, Walnut Creek IM/IRA Alternatives

Sue Stiger, Associate General Manager  
Environmental Restoration Management  
EG&G Rocky Flats, Inc.

On April 20, 1994, we received word from the Environmental Protection Agency (EPA) and Colorado Department of Health (CDH) that they were going to authorize discontinuation of collection of SW-61 and SW-132 as part of the Walnut Creek Surface Water Interim Measure/Interim Remedial Action (IM/IRA). The remaining collection point for the IM/IRA would be at SW-59.

This IM/IRA was initiated in January 1990 when the water quality data indicated that we had greater contamination than current information suggests. The radionuclides/metals removal and granular activated carbon (GAC) treatment system constructed as part of the IM/IRA was considered a "Field Treatability Unit (FTU)." Since concentrations of radionuclides are at, or below applicable or relevant and appropriate requirements, the primary contaminants at SW-59 are volatile organic compounds (VOCs). Based upon the final treatability report for the FTU, we have concluded that the current FTU system is not appropriate for treatment of the low volume (approximately one gallon per minute) source SW-59. A new, cost effective, system should be considered for treatment of the VOCs at SW-59. This system could be as simple as a GAC unit located adjacent to SW-59 to treat the 1 gpm flows rather than the 60 gpm design at the FTU.

Therefore, please consider alternative treatment methods for the water at SW-59. A key aspect of a new collection and treatment alternative would be to tie it to characterization of the source of the flow at SW-59. Characterization of the source of this flow has been requested numerous times since initiation of this project.

You should be prepared to present source characterization and treatment options to my staff by May 13, 1994. This presentation can be conceptual ideas that can be more fully developed at the meeting.

If you have any questions, please contact Scott Grace at extension 7199.

*Stiger*  
*Busby*

*Jessie Roberson*  
Jessie Roberson  
Acting Assistant Manager for  
Environmental Restoration



CORRES CONTROL	x	x
ADMIN RECORD/080	x	x
PATS/T130G	x	x

Reviewed for Addressee  
Corres. Control RFP5/2/94 *CM*  
DATE BY

Ref Ltr. #

NOE ORDER # 5100.1

RF-46522 (Rev. 01/94)

Best Available Copy

ADMIN RECORD

BZ -A-00154

S. Stiger  
ER:SRG:04643

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APR 28 1994

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